

ANALYTICAL ABSTRACTS

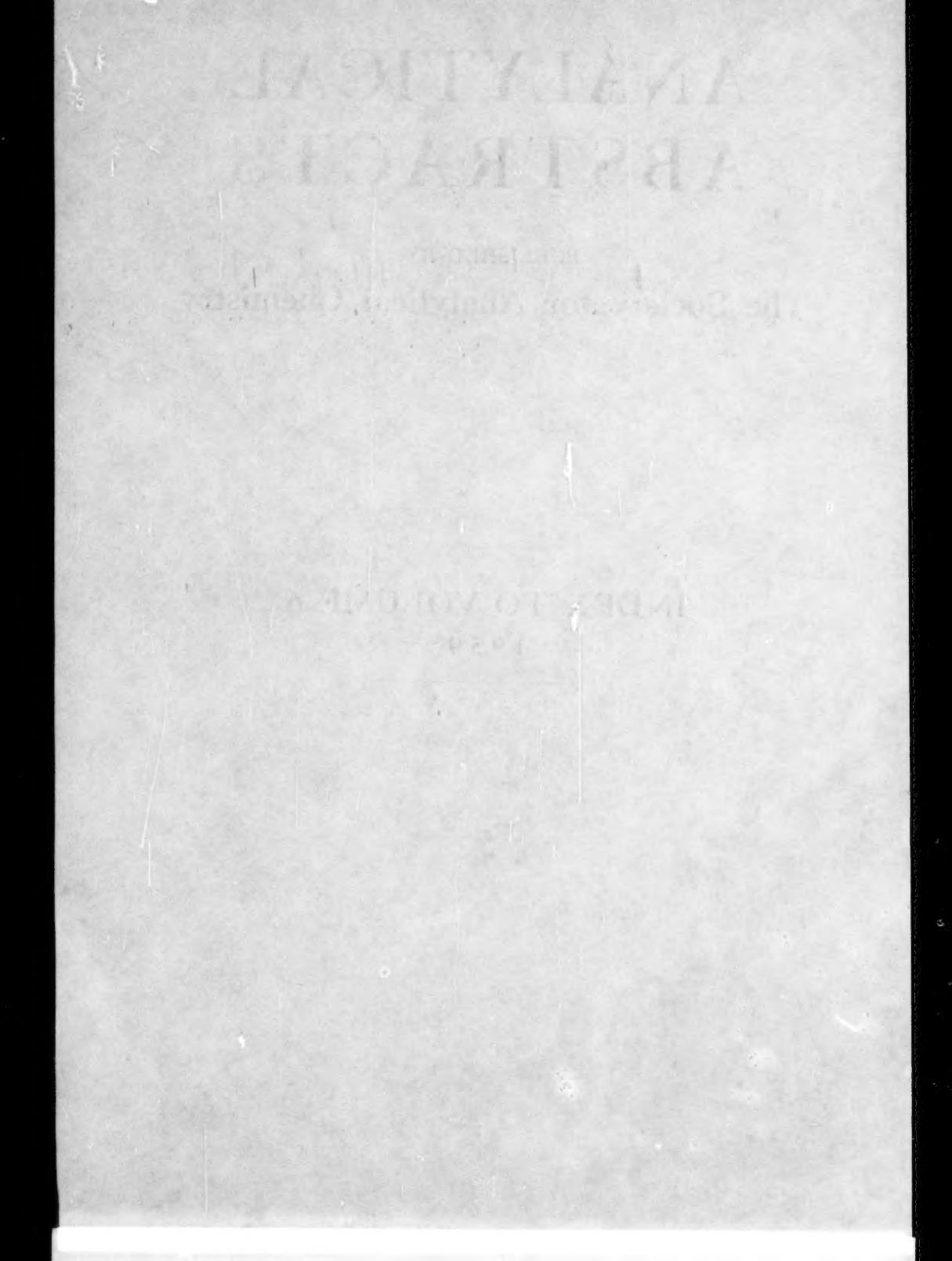
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JOURNALS

The following list contains the names of journals from which papers have been abstracted regularly during the year. Journals that have been omitted are those that contain only an occasional analytical paper and a number of Russian journals from which translated abstracts have been published through the medium of *Referativnyi Zhurnal, Khimiya*, and *Referativnyi Zhurnal, Khimiya, Biologicheskaya Khimiya*.

- Academia Republicii Populare Romine, Baza de Cercetări Științifice Timișoara, Studii și Cercetări Științifice, Seria I.
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Acta Chimica Sinica.
Acta Pharmaceutica Sinica.
Acta Pharmacologica et Toxicologica [Copenhagen].
Acta Physiologica Scandinavica.
Acta Poloniae Pharmaceutica.
American Dyestuff Reporter.
American Journal of Clinical Pathology.
Anales de la Asociación Química Argentina.
Anales de Bromatología [Madrid].
Anales de la Real Sociedad Española de Física y Química, Serie B [Madrid].
Analyst.
Analytica Chimica Acta.
Analytical Chemistry.
Angewandte Chemie.
Annalen der Chemie.
Annales des Falsifications et des Fraudes.
Annales Pharmaceutiques Françaises.
Annales Universitatis Mariae Curie-Skłodowska [Lublin].
Annali di Chimica [Rome].
Antibiotics & Chemotherapy.
Antibiotiki [Moscow].
Applied Spectroscopy.
Aptechnoe Delo [Moscow].
Archiv für das Eisenhüttenwesen.
Archiv der Pharmazie und Berichte der deutschen pharmazeutischen Gesellschaft.
Archives of Biochemistry and Biophysics.
Arkiv för Kemi [Stockholm].
Arzneimittel-Forschung.
Atomic Energy of Canada Ltd. Reports.
Atomnaya Energiya [Moscow].
Australian Journal of Applied Science.

Berichte der deutschen keramischen Gesellschaft.
Biochemical Journal.
Biochemische Zeitschrift.
Biochimica et Biophysica Acta.
Biokhimiya [Moscow].
Biuletyn Instytutu Roślin Leczniczych [Poznań].
Bollettino dei Laboratori Chimici Provinciali [Bologna].
Bollettino della Società Italiana di Biologia Sperimentale.
Brauerei, Wissenschaftliche Beilage.
Brauwissenschaft.
Brennstoff-Chemie.
British Journal of Applied Physics.
British Medical Journal.
British Standards Institution. Standards.
Bulletin of the Agricultural Chemical Society of Japan.
Bulletin of the American Society for Testing Materials.
Bulletin du Centre Belge d'Étude et de Documentation des Eaux.
Bulletin of the Chemical Society of Japan.
Bulletin of the Institute for Chemical Research, Kyoto University.
Bulletin of the Institute of Nuclear Sciences "Boris Kidrich" [Belgrade].
Bulletin of the Research Council of Israel.
Bulletin de la Société de Chimie Biologique.
Bulletin de la Société Chimique Belgrade.
Bulletin de la Société Chimique de France.

Canadian Journal of Biochemistry and Physiology.
Canadian Journal of Chemistry.
Cereal Chemistry.
Československá Farmacie.

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- Chemia Analityczna [Warsaw].
Chemical Age.
Chemické Listy [Prague].
Chemické Zvesti [Bratislava].
Chemicky Prumysl [Prague].
Chemic [Prague].
Chemiker-Zeitung. 
Chemisch Weekblad.
Chemische Berichte.
Chemische Technik [Berlin].
Chemist-Analyst.
Chemistry & Industry.
Chimia [Switzerland].
Chimica e l'Industria [Milan].
Chimie Analytique.
Clinica Chimica Acta.
Clinical Chemistry.
Collection of Czechoslovak Chemical Communications.
Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences.
Contributions. Boyce Thompson Institute for Plant Research.
Croatica Chemica Acta.
- Dansk Tidsskrift for Farmaci.
Deutsche Apotheker-Zeitung.
Deutsche Lebensmittel-Rundschau.
Drug Standards.
- Erdöl und Kohle.
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Experientia.
- Farbe und Lack.
Farmácia [Bratislava].
Faserforschung und Textiltechnik.
Fette, Seifen, Anstrichmittel.
Fuel [London].
- Geochimica et Cosmochimica Acta.
- Helvetica Chimica Acta.
Hoppe-Seyler's Zeitschrift für Physiologische Chemie.
Hutnické Listy [Prague].
- Indian Journal of Applied Chemistry.
Indian Journal of Dairy Science.
Indian Journal of Pharmacy.
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Industrie Chimique Belge.
Industries Alimentaires et Agricoles [Paris].
Información de Química Analítica [Madrid].
Instituto del Hierro y del Acero [Madrid].
International Journal of Applied Radiation and Isotopes.
International Sugar Journal.
- "J. Stefan" Institute Reports [Ljubljana].
Japan Analyst.
Jernkontorets Annaler [Stockholm].
Journal of the Agricultural Chemical Society of Japan.
Journal of Agricultural and Food Chemistry.
Journal of the American Chemical Society.
Journal of the American Leather Chemists' Association.
Journal of the American Oil Chemists' Society.
Journal of the American Pharmaceutical Association, Scientific Edition.
Journal of the American Water Works Association.
Journal of Applied Chemistry [London].
Journal of the Association of Official Agricultural Chemists.
Journal of Biological Chemistry.
Journal of Chemical Education.
Journal of the Chemical Society.
Journal of the Chemical Society of Japan. Industrial Chemistry Section and Pure Chemistry Section
Journal of Chromatography.
Journal of Clinical Endocrinology & Metabolism.
Journal of Clinical Pathology.
Journal of Dairy Research.

JOURNALS

- Journal of Dairy Science.
Journal of Forensic Science.
Journal of Histochemistry and Cytochemistry.
Journal of the Indian Chemical Society.
Journal of Inorganic & Nuclear Chemistry.
Journal of the Institute of Brewing.
Journal of the Institute of Fuel.
Journal of the Institute of Petroleum.
Journal of the Iron and Steel Institute.
Journal of Laboratory and Clinical Medicine.
Journal of Medical Laboratory Technology.
Journal of Metals [New York].
Journal of Neurochemistry.
Journal of the Oil and Colour Chemists' Association.
Journal of the Optical Society of America.
Journal of Organic Chemistry.
Journal of the Pharmaceutical Society of Japan.
Journal of Pharmacy and Pharmacology.
Journal of Physical Chemistry.
Journal of the Polarographic Society.
Journal of Polymer Science.
Journal für praktische Chemie.
Journal and Proceedings of the Institution of Chemists [India].
Journal of Research and Development. British Cast Iron Research Association.
Journal of Research of the National Bureau of Standards.
Journal of the Science of Food and Agriculture.
Journal of Scientific and Industrial Research [India]. Sections B and C.
Journal of Scientific Instruments.
Journal of the Society of Glass Technology.
Journal of the Society of Leather Trades' Chemists.
Journal of the South African Chemical Institute.
Journal of the Textile Institute.

Kemija u Industriji [Zagreb].
Klinische Wochenschrift.

Laboratornoe Delo [Moscow].
Laboratory Practice.
Lancet.

Magyar Kémiai Folyóirat.
Magyar Kémikusok Lapja.
Meddelelser fra Norsk Farmaceutisk Selskap.
Mémorial des Poudres [Paris].
Metallurgia [Manchester].
Microchemical Journal.
Mikrochimica Acta.
Mitteilungen aus dem Gebiete der Lebensmitteluntersuchung und Hygiene [Bern].
Monatshefte für Chemie und verwandte Teile anderer Wissenschaften.

Nahrung.
Nature [London].
Naturwissenschaften.
Nauchnye Doklady Výsshei Shkoly, Khimiya i Khimicheskaya Tekhnologiya.
New Zealand Journal of Science.
Nucleonics.

Official Digest, Federation of Paint & Varnish Production Clubs.
Olii Minerali, Grassi e Saponi, Colori e Vernici.
Optika i Spektroskopija.
Österreichische Chemiker-Zeitung.

Parfums, Cosmétiques, Savons.
Peintures-Pigments-Vernis.
Perfumery and Essential Oil Record.
Periodica Polytechnica [Budapest].
Pharmaceutica Acta Helveticae.
Pharmaceutical Journal.
Pharmaceutisch Weekblad.
Pharmazeutische Zentralhalle für Deutschland.
Pharmazie.
Plaste und Kautschuk.
Plating.

JOURNALS

Proceedings. American Society of Brewing Chemists.

Proceedings of the Chemical Society.

Proceedings of the Indian Academy of Sciences.

Proceedings of the Society for Experimental Biology and Medicine.

Proceedings. Soil Science Society of America.

Průmysl Potravin [Prague].

Recueil des Travaux Chimiques des Pays-Bas.

Rendiconti Istituto di Sanità Pùblica [Rome].

Reports of the Government Chemical Industrial Research Institute [Tokyo].

Review of Scientific Instruments.

Revista de la Asociación Bioquímica Argentina.

Revista de Chimie [Bucharest].

Revue de Chimie, Académie de la République Populaire Roumaine.

Revue de l'Institut Français du Pétrole et Annales des Combustibles Liquides.

Ricerca Scientifica.

Riechstoffe und Aromen.

Roczniki Chemii [Warsaw].

Rubber Age [New York].

Rudy [Prague].

Scandinavian Journal of Clinical & Laboratory Investigation.

Schweizer Brauerei-Rundschau.

Science.

Science and Culture [Calcutta].

Science Reports of the Research Institutes, Tôhoku University.

Scientia Pharmaceutica [Vienna].

Sewage and Industrial Wastes.

Sklář a Keramik [Prague].

Soap and Chemical Specialties.

Soil Science.

Soudní Lékařství.

South African Industrial Chemist.

Spectrochimica Acta.

Stärke.

Studii și Cercetări de Chimie [Cluj].

Studii și Cercetări Științifice Chimie [Iași].

Suomen Kemistilehti [Helsinki].

Talanta.

TAPPI.

Tetrahedron.

Textile Research Journal.

Tidsskrift for Kjemi, Bergvesen og Metallurgi [Oslo].

Transactions of the British Ceramic Society.

Transactions of the Faraday Society.

Transactions of the Institute of Metal Finishing.

Transactions of the Metallurgical Society of AIME.

Trudy Komissii po Analiticheskoi Khimii, Akademiya Nauk S.S.R.

Ukrainskii Khimicheskii Zhurnal.

United Kingdom Atomic Energy Research Establishment. Reports.

United States Atomic Energy Commission. Reports.

Verfkoniek [Amsterdam].

Vestnik Leningradskogo Universiteta.

Vestnik Moskovskogo Universiteta.

Vitamins [Kyoto].

Voda.

Water & Sewage Works.

Zavodskaya Laboratoriya [Moscow].

Zeitschrift für analytische Chemie.

Zeitschrift für Erzbergbau und Metallhüttenwesen.

Zeitschrift für Lebensmittel-Untersuchung und -Forschung

Zeitschrift für Metallkunde.

Zeitschrift für Naturforschung.

Zeitschrift für Pflanzenernährung, Düngung und Bodenkunde.

Zentralblatt für Arbeitsmedizin und Arbeitsschutz.

Zhurnal Analiticheskoi Khimii.

Zhurnal Neorganicheskoi Khimii.

Zhurnal Obshchel Khimii.

Zhurnal Prikladnoi Khimii.

ERRATA

ACKNOWLEDGEMENTS

The organisations publishing the following journals are thanked for allowing reproduction of some abstracts.

Abstracts of Bulgarian Scientific Literature. Chemistry and Chemical Technology.

British Baking Industries Research Association Abstracts.

Chemical Abstracts.

Metallurgical Abstracts.

Nuclear Science Abstracts.

Nutrition Abstracts and Reviews.

Physics Abstracts.

Referativnyj Zhurnal, Khimiya.

Referativnyj Zhurnal, Khimiya, Biologicheskaya Khimiya.

Rubber Abstracts.

Science Abstracts of China. Chemistry and Chemical Technology.

Sugar Industry Abstracts.

Water Pollution Abstracts.

ERRATA

VOL. 3, 1958

Abstract

No.

Line

1739

1, 4, for 3-hydroxy-1:3-diphenyltriazine read 3-hydroxy-1:3-diphenyltriazen.

VOL. 4, 1957

Abstract

No.

Line

821

1, 7, for 3-hydroxy-1:3-diphenyltriazine read 3-hydroxy-1:3-diphenyltriazen.

821

3 for 3-hydroxy-1-p-chlorophenyl-3-phenyltriazine read 1-p-chlorophenyl-3-hydroxy-3-phenyltriazene.

821

41 for 1-p-chlorophenyl-3-hydroxy-3-phenyltriazine read 1-p-chlorophenyl-3-hydroxy-3-phenyltriazene.

2989

1 for 3-hydroxy-1-p-sulphophenyl-3-phenyltriazine read 3-hydroxy-3-phenyl-1-p-sulphophenyltriazene.

VOL. 5, 1958

Abstract

No.

Line

700

7, 12, for butane-1:3-diol read butane-2:3-diol.

701

2, 5, 20, 27, for butane-1:3-diol read butane-2:3-diol.

2221

2 for Pifeiro read Pifeiro.

2272

10 for Kircha read Kirchner.

3371

3 for Wickers read Wickers.

VOL. 6, 1959

Abstract

No.

Line

12

2 for Hure read Huré.

34

13 for limit of dilution is in 5×10^7 read limit of dilution is 1 in 5×10^7 .

93

1 for fluorosilicate read fluorosilicate.

142

3 for Araf'eva read Aref'eva.

147

26 for Zn read Zr.

151

3 for Čepalák read Čepelák.

283

2 for Rathbon read Rathbun.

291

3 for Luderitz read Lüderitz.

356

2 for — Vizern and — Guillot read J. Vizern and L. Guillot.

468

3 for Popava read Popova.

883

3 for E. P. Nikolaeva read E. R. Nikolaeva.

933

4 for Ray read Ráy.

959

8 for 1237 read 935.

1006

4 for Kirsh read Kirsch.

1092

3 for Krówezyński read Krówczyński.

1175

last line, 2nd col., for Reese read Rees.

1175

46, 3rd col., for Hure read Huré.

1184

2 for A. M. Keulemans read A. I. M. Keulemans.

1214

4 for Junie read Junie.

1285

1, 5, for chronometric read chromometric.

1285

3 for Li Gyn read Gyn Li.

1350

12 for primary read tertiary.

ERRATA

VOL. 6, 1959

Abstract

No.	Line
1410	2 for Schroeder read Schröder.
1433	3 for S. C. Tompsett read S. L. Tompsett.
1657	2 for M. V. Kuhn read V. Kuhn.
1658	13 for Rhodamine S read Rhodamine B.
1754	2 for W. Senn, jun., read W. L. Senn, jun.
1797	9 for diethylamine read dimethylamine.
1888	2 for L. Kum-Tatt read K.-T. Lee.
1998	15 for I. Puzdrenkova read I. V. Puzdrenkova.
2381	4 for Minori read Mitsunori.
2445	2 for Klozer read Klozar.
2621	5 for Bi read Pd.
2632	2 for W. Kirsten read W. J. Kirsten.
2650	2 for Lee Kum-Tatt read Kum-Tatt Lee.
2662	12 for metal read metol.
2847	48 for $KCrO_4$ read K_2CrO_4 .
2857	5 for 2008 read 2808.
2861	2 for O. Botschkowa, S. Frisch and E. Schreider read O. P. Bochkova, S. E. Frish and E. Ya. Shreider.
2869	2 for Noboru read Noboru.
2906	3 for Sapoeva read Saraeva.
2943	13 for 1-(2-pyridylazo) 1,2-naphthol read 1-(2-pyridylazo)-2-naphthol.
3073	4 for 1958 read 1959.
3153	3 for L. Kum-Tatt read K.-T. Lee.
3260	2, 15, for 8-quinolinolate read 8-quinolinolinate.
3374	7 for $Na_2H_2IO_6$ read $Na_2H_3IO_6$.
3611	3 for E. I. Ellin read R. I. Ellin.
3801	4 for Mitsunari read Mitsunori.
3954	2 for Zelynskaya read Zelyanskaya.
3971	3 for Li Gyn read Gyn Li.
4056	8 for C_2 read CO_2 .
4095	2 for indanetrione hydrate ninhydrin read indanetrione hydrate [ninhydrin].
4163	2 for J. W. White read J. W. White, jun.
4196	1 for dimeton-methyl read demeton-methyl.
4299	13 for $C_4H_8NH_2[Ca - I_2]$ read $C_4H_9NH_2[Ca - I_2]$.
4418	2 for D. E. Wood read D. F. Wood.
4477	2 for Jungreis read Jungreis.
4706	13 should read of H_3BO_3 and 30 ml of HCl (sp. gr. 1.16) in 400 ml.
4835	2 for Z. Zlatkis read A. Zlatkis.
4966	23 for Acilan read Acilan.

Cross references after Abstr. 4189, line 1, for Ce^- read Cl^- .

These include some errata subsequently published in the journals abstracted.

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ABBREVIATIONS

Certain abbreviations in everyday use are not included in the following list. When any doubt might arise from the use of an abbreviation or symbol the word is printed in full.

alternating current	a.c.	milli-equivalent	milli-equiv.
ampere	amp.	milligram	mg
Ångström unit	Å	millilitre	ml
anhydrous	anhyd.	millimetre	mm
approximate, -ly	approx.	millimicrogram	m μ g
aqueous	aq.	millimolar	mM
atmospher-e, -ic	atm.	millivolt	mV
boiling-point	b.p.	minute (time)	min.
British thermal unit	B.Th.U.	molar (concentration)	M
calorie (large)	kg-cal.	molecul-e, -ar	mol.
calorie (small)	g-cal.	normal (concentration)	N
centimetre	cm	optical rotation	α ^t
coefficient	coeff.	ounce	oz
concentrated	conc.	parts per million	p.p.m.
concentration	concn.	per cent.	%
constant	const.	per cent. (vol. in vol.)	% (v/v)
corrected	(corr.)	per cent. (wt. in vol.)	% (w/v)
crystalline	{ cryst.	per cent. (wt. in wt.)	% (w/w)
crystallised		potential difference	p.d.
cubic	cu.	precipitate (as a noun)	ppt.
current density	c.d.	precipitated	pptd.
cycles per second	c/s	precipitating	pptg.
density	d	precipitation	pptn.
density, relative	d or wt. per ml	preparation	prep.
dilute	dil.	qualitative, -ly	qual.
direct current	d.c.	quantitative, -ly	quant.
distilled	dist.	recrystallised	recryst.
ethylenediaminetetra-acetic acid	EDTA	refractive index	n_A
electromotive force	e.m.f.	relative band speed	R _y
equivalent	equiv.	relative humidity	r.h.
gram	g	revolutions per minute	r.p.m.
gram-molecule	mole	saponification value	sap. val.
half-wave potential	E _{1/2}	saturated calomel electrode	S.C.E.
hour	soluble	second (time)	sec.
hydrogen ion exponent	pH	soluble	sol.
infra-red	i.r.	solution	soln.
insoluble	insol.	specific gravity	sp. gr.
international unit	i.u.	specific rotation	[α] _D
kilogram	kg	square centimetre	sq. cm.
kilovolt	kV	standard temp. and pressure	s.t.p.
kilowatt	kW	temperature	temp.
liquid	liq.	ultra-violet	u.v.
maxim-um, -a	max.	vapour density	v.d.
melting-point	m.p.	vapour pressure	v.p.
microgram	μ g (not γ)	volt	V
microlitre	μ l	volume	vol.
micromole	μ mole	watt	W
micron	μ	wavelength	λ
milliamperc	mA	weight	wt.

In addition, the following symbols may be used in conjunction with numerical values or in mathematical expressions—

greater than	>	less than	<
not greater than	≥	not less than	≤
is proportional to	≈	of the order of, approximately	~

The principal Pharmacopoeias are denoted by B.P., U.S.P., or D.A.B., together with the identifying roman numeral or year.

Valency states are represented by a superscript roman numeral, e.g., Fe^{II}, Mo^V. Substances in the ionic state are represented by Na⁺, Fe³⁺, Fe²⁺, etc., for cations and by Cl⁻, SO₄²⁻, PO₄³⁻, etc., for anions.

